AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

--1. (Currently Amended)   A file conversion method for extracting, from ~~a first~~ an HTML file acquired through the internet and composed of a plurality of pieces of data displayable on a display unit and with a start and an end of each piece of data indicated by respective identifiers in the form of tags, data displayable on a limited-capability device, in accordance with the identifiers, and for outputting the extracted data to the limited-capability device, the file conversion method comprising:

a step of determining what characteristic of the ~~first~~ HTML file is to be converted;

a step of detecting the ~~identifier~~ tags by reading the file;

a step of determining whether the data indicated by the detected ~~identifier~~ tags is displayable on the limited-capability device;

a step of extracting the data, the start and the end of which are indicated by the ~~determined identifier~~ detected tags and which is determined to be displayable on the limited-capability device;

a step of displaying on the display unit the extracted data to be shaped for display on the limited-capability device;

a step of reading out a stored ~~processing condition data~~

2

conversion rule that is specific to each set of tags and that has having shaping conditions including character count per line and image size limitations;

a step of ~~shaping~~ converting, based on the read-out ~~processing condition data~~ conversion rule, the extracted data to meet the limitations for display on the limited-capability device; and

a step of outputting an output file that is newly created from the extracted data that has been shaped in the step of shaping, as a different file from the ~~first~~ HTML file, to the limited-capability device for display.

--2. (Currently Amended) A file conversion method according to claim 1, wherein the step of extracting the data is performed by referencing a processing condition data area of a memory file that defines the ~~identifier~~ tags of the HTML data that is displayable on the limited-capability device.

--3. (Canceled)

--4. (Cancelled)

--5. (Previously Presented) A file conversion method according to claim 2, wherein the processing condition data area has a data structure containing a plurality of categories, and wherein the file conversion method further comprises selecting the processing condition data to be used, based on the category selected from among the plurality of categories.

3

--6. (Previously Presented) A file conversion method according to claim 1, wherein a file name of a file output as the different file uses a symbol string indicated by the predetermined identifier.

--7. (Original) A file conversion method according to claim 1, further comprising a step of selecting a file to be output to the limited-capability device from among the extracted data in response to an instruction from a user.

--8. (Original) A file conversion method according to claim 1, further comprising a step of acquiring the first file through a communication network from a data storage apparatus.

--9. (Original) A file conversion method according to claim 1, wherein the step of extracting the data comprises initializing a data buffer, and

buffering in the data buffer the data included in the first file, the start and the end of which are indicated by the detected identifiers.

--10. (Original) A file conversion method according to claim 1, wherein the outputting of the data, the start and the end of which are indicated by the identifiers, to the limited-capability device is restricted in accordance with the identifiers.

--11. (Original) A file conversion method according to claim 1, wherein the expiration date of the data, the start and the end of which are indicated by the identifiers, is indicated by the identifiers.

--12. (Currently Amended) A converter for extracting, from a first an HTML file acquired through the internet and composed of a plurality of pieces of data displayable on a display unit and with a start and an end of each piece of data indicated by respective identifiers in the form of tags, data displayable on a connected limited-capability device, and for outputting the extracted data to the limited-capability device, the file converter comprising:

means for selecting a characteristic of the first HTML file that is to be converted;

file storage means for storing the first HTML file;

detector means for detecting the identifier tags corresponding to the selected characteristic that indicates an area of the data to be displayed on the limited-capability device from the first HTML file stored in said first HTML file storage means;

extractor means for extracting, from said first HTML file, the data with the start and the end thereof indicated in accordance with the identifier detected by the detector means, wherein the extracted data is one of a map, a coupon, and address information;

convertor means for converting date of the HTML file that is between the tags according to a stored predetermined

5

conversion rule for the tags;

output means for outputting the extracted data to the limited-capability device, whereby the limited-capability device displays on a screen thereof one of the map, the coupon, and the address information; and

control means for controlling the detector means to detect the ~~identifier~~ tags indicating the start and the end of the displayable data for the purpose of ~~extracting~~ converting the data displayable on the limited-capability device from said ~~first~~ HTML file stored in said file storage means based on the stored ~~processing condition data~~ predetermined conversion rule having shaping conditions, for controlling said extractor means to extract, as a new output file with the selected characteristic having been converted, data including the start and the end indicated by the ~~identifier~~ tags from said ~~first~~ HTML file, and for controlling said output means to output the new output file to the limited-capability device for display.

--13. (Original) A data converter according to claim 12, further comprising an extracted data storage means for storing the extracted data as candidate data to be output to the limited-capability device.

--14. (Original) A data converter according to claim 13, wherein the data converter selectively outputs the data from among data stored in said extracted data storage means to the

6

limited-capability device in response to an instruction of a user.

--15. (Canceled)

--16. (Canceled)

--17. (Currently Amended)   A data converter according to claim 12, further comprising a display data output means for converting said ~~first~~ HTML file into a data format displayable on the limited-capability device for displaying said ~~first~~ HTML file,

wherein the data converter acquires a file which is converted to be output to the limited-capability device from a file buffer means which buffers at least one file of the display data output means.

--18. (Original)   A data converter according to claim 12, further comprising a data communication means for acquiring the file through a communication network.

--19. (Original)   A data converter according to claim 12, wherein the data converter restricts, to the limited-capability device, the outputting of data not displayable on the limited-capability device, from among data from the start to the end indicated by the extracted identifier.

--20. (Original)   A data converter according to claim 12,

further comprising:

an expiration date extractor means for extracting, from the identifier, expiration date data indicating the expiration date of the data extracted by the identifier; and

an expiration date determination means for determining the expiration date of the extracted data based on the expiration date of the extracted data.

--21. (Original) A data converter according to claim 12, further comprising a data renewal means for renewing the expiration date of the extracted data when it is determined that the extracted data has expired.

--22. (Currently Amended) A file conversion method for converting a first an HTML file acquired through the Internet and composed of a plurality of pieces of data displayable on a display unit with a start and an end indicated by respective identifiers in the form of tags into data displayable on a connected limited-capability device, and outputting the data as a new output file to the limited-capability device, the file conversion method comprising:

a step of determining what characteristic of the first HTML file is to be converted;

a step of initializing a first data buffer for buffering data when a plurality of pieces of data is read from the file;

a step of detecting the identifier tags indicating the start of the data in the file, based on a rule for processing

8

the data in the file into a data format displayable on the limited-capability device, when the data is from the file and is stored in the first data buffer;

a step of moving the data stored in the first data buffer to a second data buffer for evacuation;

a step of holding the data in the file, from the start thereof, into the first data buffer, based on the identifier indicating the start of the detected data;

a step of displaying on the display the data stored in the first buffer to be shaped for display on the limited capability device;

a step of reading out a stored ~~processing condition data~~ conversion rule that is specific to each pair of tags having shaping conditions including character count per line and image size limitations;

a step of shaping, based on the read-out ~~processing condition data~~ conversion rule, the displayed data to meet the limitations for display on the limited-capability device;

a step of detecting the ~~identifier indicating the~~ end of the data in response to the ~~identifier~~ tag indicating the end of the detected data; and

a step of moving the data evacuated into the second data buffer to the first data buffer for restoration.

--23. (Original) A file conversion method according to claim 22, further comprising:

a step of storing, in a storage means, data from the first data buffer as data to be processed; and

9

a step of moving the data evacuated into the second data buffer to the first data buffer for restoration.

--24. (Currently Amended) A file display system comprising a first apparatus for receiving ~~a~~ an HTML file including a plurality of pieces of data, displayable on a display unit, with the start and the end of each piece of data indicated by respective identifiers in the form of tags, and a second apparatus having a throughput lower than that of the first apparatus and receiving and displaying data into which the first apparatus converts the HTML file,

wherein the first apparatus comprises:

means for selecting a characteristic of the ~~first~~ HTML file that is to be converted;

storage means for storing the ~~first~~ HTML file;

detector means for detecting ~~an identifier~~ the tags that ~~indicates~~ indicate an area of the data~~, which is processable~~ that is to be processed by the second apparatus, from the HTML file stored in the storage means;

extractor means for extracting, from the input file, the data which is detected by the detector means and is processed into data processable by the second apparatus, wherein the extracted data is one of a map, a coupon, and address information;

~~processing~~ convertor means for ~~processing~~ converting the extracted data of the HTML file that is between the tags according t a stored predetermined conversion rule for the

10

tags into the data that is processable by the second apparatus;

an output means for outputting the data, which has been ~~processed~~ converted to be processable by the second apparatus, to the second apparatus; and

control means for controlling the storage means to store the HTML file input thereto in the storage means, for controlling the detector means to detect the ~~identifier~~ tags that ~~indicates~~ indicate, from the HTML file stored in the storage means, data that can be processed ~~to be processable~~ by the second apparatus, for controlling the extractor means to extract the data that is ~~processed~~ converted by the ~~processing~~ convertor means in accordance with the identifier detected by the detector means, and for controlling the output means to output the data that has been processed by the processing means based on the selected characteristic; and

wherein the second apparatus comprises:

receiver means for receiving the data output by the first apparatus; and

display means for displaying on a limited-capability display the data received by the receiver means in the form of one of the map, the coupon, and the address information.

--25. (Original) A file display system according to claim 24, wherein the first apparatus further comprises a receiver means, and wherein the receiver means receives the file from a file server connected to the receiver means via a network.

--26. (Original) A file display system according to claim 24, wherein the first apparatus further comprises a buffer means for buffering the data extracted from the file by the control means, and wherein the control means controls the buffer means to buffer the extracted data while processing the data buffered in the buffer means.

--27. (Original) A file display system according to claim 24, wherein the first apparatus further comprises an operation means operated by a user, and

wherein the control means outputs the data, designated on the operation means by the user, to the second apparatus.

--28. (Original) A file display system according to claim 24, wherein the second apparatus further comprises:

an operation means operated by a user; and

a storage means for storing the data received by the receiver means,

wherein the data designated on the operation means by the user is read from the storage means and is displayed on the display means.

--29. (New) A file conversion method according to claim 1, wherein the step of determining what characteristic determines one of an image size and a file format and a character count.

12

--30. (New) A data converter according to claim 12, wherein the characteristic is selected from one of an image size and a file format and a character count.

--31. (New) A file conversion method according to claim 22, wherein the step of determining what characteristic determines one of an image size, a file format, and a character count.

--32. (New) A file display system according to claim 24, wherein the characteristic is selected from one of an image size, a file format, and a character count.